

Human Neurotrophin-4 Monoclonal Antibody

ORDERING INFORMATION

Catalog Nos: 50176-500 (500ug) and 50176-1000 (1000ug)

Format: Lyophilized at 1mg/ml in PBS.

BACKGROUND

Neurotrophin-4 (NT-4) is the product of the *NTF4* gene and is a member of a family of neurotrophic factors that control survival and differentiation of mammalian neurons. Neurotrophin-4 (NT-4) exerts its effects by binding to neurotrophic tyrosine kinase receptor type 2 (NTRK2; also called TrkB). NT-4 has been shown to play a crucial role in the development of long-term memory and has also been implicated in the regulation of appetite and in body weight control.

SPECIFICATION SUMMARY

Antigen: Recombinant human neurotrophin-4.

Host Species: Mouse

Clone no.: NYRhNT-4

Antibody Class: IgG2a

Gene ID: 4909

Accession no.: P34130

SPECIFICITY

This antibody recognizes human NT-4.

APPLICATIONS

ELISA: use at 0.1-1.0ug/ml with NT-4 on the solid phase. These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

RECONSTITUTION INSTRUCTIONS

Reconstitute with sterile H₂O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.

STORAGE AND STABILITY

Lyophilized product is stable at 4°C in a dry environment. After reconstitution, store at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.